

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2004/000306

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : F02B 59/00, 75/28, 19/06, F01B 15/02 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Refer electronic database consulted below Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI - IPC F01B, F02B and keywords cylinder, reciprocate, two-stroke, piston, fixed and similar terms		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1316192 A (SAWYER) 16 September 1919	
A	US 2332056 A (CALDWELL) 19 October 1943	
A	US 4586881 A (BESHORE) 6 May 1986	
A	US 6032622 A (SCHMIED) 7 March 2000	
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 11 April 2005	Date of mailing of the international search report 14 APR 2005	
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer R. SUBBARAYAN Telephone No : (02) 6283 2377	

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Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	4586881	AU	24045/84	BR	8400896	CA	1214995
		EP	0119721	ES	8502758	JP	59170401
US	6032622	AU	2003241492	CA	2288473	EP	1065358
		US	6598567	US	2001047775	US	2002124816
		US	2002166521	US	2004159291	US	2005051117
		WO	03098017	WO	2005012706		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							